

SYSTEM AND METHOD FOR TRANSFERRING DATA IN STORAGE

CONTROLLERS

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ABSTRACT OF THE DISCLOSURE

A method and system for processing data by a storage
10 controller with a buffer controller coupled to a buffer
memory is provided. The method includes, evaluating
incoming data block size; determining if the incoming
data requires padding; and padding incoming data such
that the incoming data can be processed by the buffer
15 controller. The method also includes determining if any
pads need to be removed from data that is read from the
buffer memory; and removing pads from the data read
from the buffer memory. The buffer controller can be
set in a mode to receive any MOD size data and includes
20 a first channel with a FIFO for receiving incoming data
via a first interface. The buffer controller mode for
receiving incoming data can be set by firmware.